

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP PROGRAM
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

PROJECT INFORMATION	
Project Title: Units 20C, 42, 44A, 44B Predator Management Plan	Project No. 09-405
Region/GMU: 20C, 42, 44A, 44B	HPC: SW
Project Type:	
Project Description: An adaptive management and research project to collect baseline predator/prey data between mountain lions and bighorn sheep to be used in managing the mountain lion population based on predation rates on bighorn sheep and bighorn sheep population objectives within herd units.	
Wildlife Species to Benefit: Bighorn Sheep	
Possible Funding Partners:	
Implementation Schedule: Beginning: 2010 Completed: 2013	
PROJECT FUNDING	
SBG Funds Requested: \$ 27,800	
Cost Share Funds: \$ 0	
Total Project Costs: \$ 27,800	
PARTICIPANT INFORMATION	
Applicant: Dave Conrad Telephone: 623-910-7872	Address:
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: ADBSS, Game Branch	Date:
Applicant's signature:	Date:

SEND COMPLETED APPLICATIONS TO:
 Game Branch
 2221 W. Greenway Rd.
 Phoenix, AZ 85023
 rothompson@azgfd.gov

NEED STATEMENT/PROBLEM ANALYSIS:

Based on bighorn sheep transplant monitoring within the proposal area, mountain lion predation is causing significant additive mortality resulting in poor population growth of transplanted bighorn sheep herds.

PROJECT OBJECTIVES:

Remove offending lions that cause significant mortality within bighorn sheep herd units that are below population objectives. Significant mortality will be established in the final plan based on bighorn sheep herd unit population objectives.

PROJECT STRATEGIES:

- Collar all lions within the project area
- Collect lion predation data relative to prey species, frequency and location
- Collect lion home range and movement corridor data
- Continue bighorn sheep surveys to yield population estimates

PROJECT LOCATION:

Game Mgt. Unit 20C, 42, 44A, 44B

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

Primarily Public Lands (BLM)

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

N/A

HABITAT DESCRIPTION:

Sonoran Desert Scrub, Semi-Desert Grassland, Chaparral

ITEMIZED USE OF FUNDS:

Northstar GPS collars	\$3000 x 5.....	= \$15,000
Trap alarms	\$1000 (estimate) x 10.....	= \$10,000
Telemetry receivers	\$695 x 3.....	= \$2,100
Misc. medical supplies, capture drugs.....		= \$700

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Desert Bighorn Sheep Society

PROJECT MONITORING PLAN:

Project monitoring will be conducted according the "20C, 42, 44A, 44B Predator Management Plan" (initial draft completed).

PROJECT COMPLETION REPORT TO BE FILED BY:

Dave Conrad FOR4